Mentor name, title, and department (the mentor is the direct supervisor of the PSI intern):

Bradley E. Angell, Senior Administrative Analyst, Grounds Services (Physical Plant)

Proposed title for PSI intern position:

Mapping Technology Intern

Please describe the role of the primary staff mentor:

Complete the existing information and integrate new mapping features on the maps.ucsc.edu interface regarding the location of recycling and Zero Waste receptacles on-campus.

Please provide a brief summary of your proposed internship (1-2 paragraphs):

The internship will have three primary objectives:

1. Coordinate and program improved features for recycling services on maps.ucsc.edu using existing and user interface software upgrades as defined by Information Technology Services;
2. Complete and update survey of on-campus recycling, compost and refuse services; and
3. Deliver a complete interactive recycling service platform reflecting all Zero Waste capacity on maps.ucsc.edu for improved use by students, staff, and faculty.

What identifiable product or result do you expect the intern to achieve by the end of their internship?

A complete, interactive Zero Waste platform on maps.ucsc.edu.

Statement of duties including % of time and description of duties:

33%: Evaluating and mapping existing on-campus recycling, compost, and refuse services.
33%: Conveying physical locations of recycling, compost, and refuse services onto existing maps.ucsc.edu platform.
33%: Improving user interface features as available with ITS installation/development.
What skills will this internship strengthen?

The following skills will be strengthened with the internship:
- Improve digital cartography skills with active mapping of real items in the field;
- Encourage a systematic analysis and reporting of existing recycling facilities in the field;
- Encourage a holistic, systemic method of charting/advising new Zero Waste bin deployment;
- Expose students to the practical requirements of deploying an interactive, digital mapping platform; and
- Generally expose student to the administrative management and silos of a large educational organization (UCSC).

What value does this internship have for your unit/department and for the campus as a whole? It might be helpful to review the [Campus Sustainability Plan](#) in answering this question.

In addition to improving a feature the Grounds Services unit initiated in the past year on the recycling.ucsc.edu website, this project will directly address the Campus Sustainability Plan’s “Waste Reduction: Reducing Campus Waste” section, second listed objective to:

Create a centralized and comprehensive website link that clearly communicates recycling, composting, and waste disposal resources and locations across campus.

How will you evaluate your intern’s success?

The intern’s success will be measured on their ability to

(1) implement a complete campus map of the recycling, composting and refuse services on maps.ucsc.edu; and
(2) upgrade the interactive user interface as provided/directed by ITS.

What staff/faculty, other than you, will the student intern interact with regularly and in what capacity?

Intern will work directly with the following individuals:
- Senior Administrative Analyst, Grounds Services, Brad Angell;
- Director, Client Relationship Management, Peter McMillan;
- Assistant Superintendent for Resource Recovery, Bill Alderson;
- Senior Superintendent, Grounds Services, Roger Edberg; and
- Other student recycling technology team members on staff.

If there are any resources that the intern will need that your office cannot provide, please explain (i.e. computer, printer, key documents?):

There may be deeper programming needs/knowledge that our office does not have the personnel to provide. In the past, our student workers have employed faculty expertise.

Email any questions and completed form to mott@ucsc.edu. Application is due April 15 at 5pm.